PHYSIK CHEMIE BIOLOGIE TECHNIK

LD DIDACTIC

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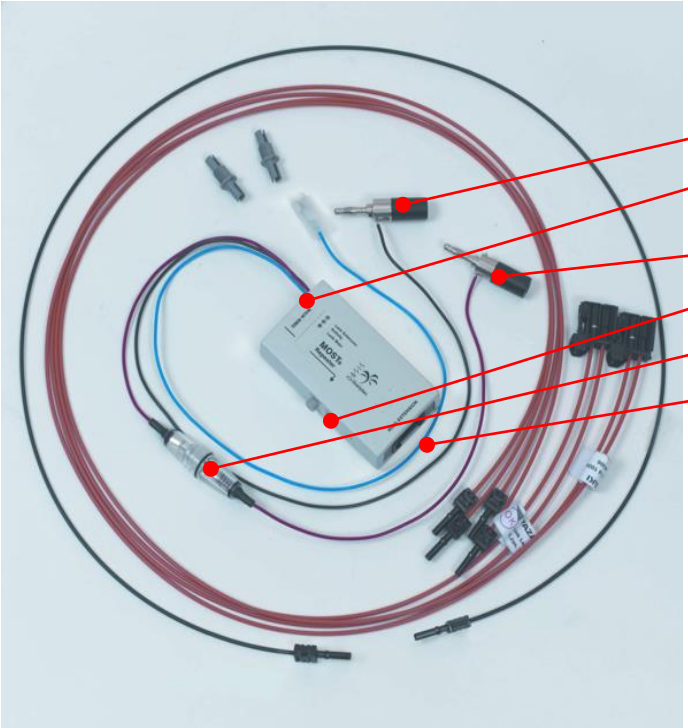
Instruction Sheet 740 2071

MOST Spare Control Unit ECU



① Ground connection

② Fiber optic connection for main ring with status LED's

③ T30 connection

④ -3 dB damping switch (ring extension)

⑤ Safety fuse

⑥ Fiber optic connection for ring extension

1 Description

To check a network, a MOST repeater connects to the main ring. The LED display on the repeater lets you see with a quick glance if the network is stable. The MOST repeater can also serve as a network extension. In this case, a MOST device connects without loss to the Ring Extension side of the MOST repeater.

2 Properties

- 30x amplification of the fiber optic surface
- Integrated switch for lighting
- Manual focus

3 Technical Data

- Wavelength: 650 nm
- Optical output power: -8 dBm
- Supply voltage: 7 – 16.5 V
- Current consumption during operation: 100 mA

4 Description

First use the two enclosed spring clamps to connect the device to Terminal 30 with the red wire ③ and the ground with the black wire ①. Then loop the MOST main ring with the "Main ring" fiber optic connection ②. When the MOST system is in operation, the corresponding LED shines yellow.

The transmission LED now lights up at the fiber optic connection for the ring extension ⑥ and can serve as a light source for experiments with fiber optics.

You can also attach another control unit to the connection; the device integrates the ring without crashing it. Respectively, you can safely remove the device.

The "-3 dB" switch ④ can reduce the light intensity at the ring extension connection by 50 % and thus reveal marginal operating modes.

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